Index of Claims

| Αр | pli | cati | on | No |
|----|-----|------|----|----|
|    |     |      |    |    |

10/621,526

Examiner

Applicant(s)

YAMAMOTO, AKIO

Art Unit

Alvin A. Hunter

3711

Rejected Allowed

(Through numeral) Cancelled

Restricted

Non-Elected Interference

Appeal Α 0 Objected

| Claim Date  |          |          | Claim Date |          |           |           |           |          |          | 7::::     | CI            | aim         | Date     |          |              |  |          |          |   |          |           |            |          |          |              |                                     |          |  |               |          |
|-------------|----------|----------|------------|----------|-----------|-----------|-----------|----------|----------|-----------|---------------|-------------|----------|----------|--------------|--|----------|----------|---|----------|-----------|------------|----------|----------|--------------|-------------------------------------|----------|--|---------------|----------|
|             | _        |          |            |          |           |           |           |          |          |           |               |             |          |          |              | T  |          |          |   | 7        |           |            |          | Т        | Т            | Ī                                   | Ť        | Т  | Т             | П        |
| Final       | Original | 5/19/04  |            |          | - 1       | -         | ı         |          |          |           |               | Final       | Original |          |              |  |          | -        |   |          | ल         | Original   |          | ı        |              |                                     |          |  |               |          |
| ΙĒ          | Ę        | 1 2      |            |          |           |           | ŀ         | ı        | ŀ        | ı         |               | ᇤ           | ij       |          |              |  | 1 1      |          |   |          | Final     | Į.         |          |          |              | İ                                   |          |  | 1             |          |
|             | ١٠       | 4,       |            |          |           |           | - 1       |          |          |           |               |             | 0        |          |              |  |          |          |   |          |           | 0          |          |          | 1            |                                     | 1        |  |               |          |
|             | 1        | 1        |            |          | $\exists$ |           |           |          |          | ┪         |               |             | 51       | 1        | $\top$       | ┪┈   | $\vdash$ |          |   | 1::::    |           | 101        | $\vdash$ | +        | +            | +                                   | ╁        | ┿  | ╁             | $\vdash$ |
|             | 2        | 1        |            | T        |           | $\neg$    | $\neg$    |          | 7        | $\exists$ |               |             | 52       |          | +            | +  | $\vdash$ |          | <del>                                     </del>  | 1        |           | 102        |          | -+-      | +            | +                                   | +        | +  | ┢┈            | Н        |
|             | 3        |          |            |          |           |           |           | T        | 寸        |           |               |             | 53       |          | ╅            |  | $\vdash$ |          | $\vdash$  | ┨        |           | 103        | -        | +        | +            | ╁                                   | ╁        | ╁  | H             | $\vdash$ |
|             | 4        |          |            | $\neg$   |           | T         |           |          |          | ╗         |               |             | 54       |          | $\top$       | +-   |          |          |   | 1        | <b></b> - | 104        | $\vdash$ | $\dashv$ | ╁            | ╅                                   | +        | +  | _             | Н        |
|             | 5        |          |            | 寸        | $\exists$ | $\exists$ |           |          | T        | $\dashv$  |               |             | 55       | · †      | +            | +-   |          |          | <del>                                      </del> | 1        |           | 105        | $\vdash$ | _        | +            | ╁                                   | +-       | +  | -             | Н        |
|             | 6        |          |            | $\neg$   | ╅         |           | 一         | Ť        | T        |           |               |             | 56       |          | +-           | +  |          |          |   | 1::::    |           | 106        | $\dashv$ | +        | +            | ╁                                   | ╁        | ╁  | -             | H        |
|             | 7        |          |            | 7        | $\exists$ | T         | $\exists$ | Ť        |          | ┪         |               |             | 57       |          | †            | +  | $\vdash$ |          | <del>   -</del>                                   | 1        |           | 107        |          | +        | +            | +                                   | +-       | ┿  | H             | H        |
|             | 8        |          |            | T        | T         |           | $\neg$    |          |          | T         |               |             | 58       | $\neg$   | _            | 1-   | Ħ        | -        | <del>                                     </del>  | 7        | <u> </u>  | 108        |          | +        | ╅            | +                                   | +        | +-   | $\vdash$      | H        |
|             | 9        |          | T          |          |           | $\dashv$  | ╛         | -        | 7        | T         |               |             | 59       | +        | +            |  | H        | $\neg$   | -   | 1        |           | 109        | -        | +        | ╁            | ╁╌                                  | ╁        | ╆  | Н             | $\vdash$ |
|             | 10       |          | Ţ          |          |           | $\exists$ |           | T        | $\neg$   | 7         |               | T           | 60       | _        | <u> </u>     | 1  |          | +        |   | 1        |           | 110        |          | $\dashv$ | +-           | ╁                                   | ╁╴       | $\vdash$   | Н             | Н        |
|             | 11       |          | $\neg$     |          | $\dashv$  |           | _         | T        | $\neg$   | ╛         |               |             | 61       |          | +-           | +  | $\vdash$ |          |   | 1        |           | 111        | $\dashv$ | _        | +            | ╁                                   | ╁╴       | H  | $\vdash$      | Н        |
|             | 12       |          | $\dashv$   | 1        | $\top$    | $\top$    |           | 1        | 7        | 7         |               |             | 62       | $\dashv$ | $\top$       | $\top$   |          | $\vdash$ | $\vdash$  | 1        | _         | 112        | $\dashv$ | +        | ╁            | ╁                                   | ╁        | ┼  | Н             | Н        |
|             | 13       |          |            | $\top$   | $\top$    | $\top$    | $\dashv$  | $\dashv$ | $\top$   | $\exists$ | :::  <b> </b> |             | 63       | $\dashv$ | +            | +  | -        | +        | <del>                                     </del>  | 1        |           | 113        | $\dashv$ | +        | +            | +                                   | +-       | $\vdash$   | $\vdash$      | H        |
|             | 14       |          | $\dashv$   | 十        | 1         | $\dashv$  | _         | $\dashv$ | $\dashv$ | 7         | :::: <b> </b> |             | 64       | _        | +-           | +  | $\vdash$ | $\dashv$ | $\vdash \vdash$                                   | 1        |           | 114        | $\dashv$ | +        | +            | +-                                  | +        | $\vdash$   | $\vdash$      | H        |
|             | 15       |          | $\dashv$   | +        | $\top$    | _         |           | $\dashv$ | _        | 7         | 1             | $\neg \neg$ | 65       | _        | $\top$       | 17   | $\vdash$ | +        | $\vdash$  | 1        |           | 115        | $\dashv$ | +        | +            | +                                   | +-       | $\vdash$   | $\vdash$      | $\vdash$ |
|             | 16       |          | $\dashv$   | 7        | Ť         | $\top$    | 寸         | _        | $\top$   | 7         |               |             | 66       | -        | ╅            | +  |          | +        |   | 1::::    | -         | 116        | $\dashv$ |          | ╁            | ╁                                   | ╁        | $\vdash$   | $\vdash$      | -        |
|             | 17       |          |            | T        | 7         | $\top$    | 7         |          | _        | 7         | ŀ             |             | 67       | -        | +            | +-   | $\vdash$ | +-       |   | -        |           | 117        |          | +-       | +            | ╁╌                                  | +        | $\vdash$   | Н             | $\vdash$ |
|             | 18       | $\dashv$ | $\dashv$   | _        | +         | 十         | 7         | 十        | _        | 1         | -             |             | 68       | -        | ╁            | +-   | $\dashv$ | -        | <del></del>                                       | 1        |           | 118        | $\vdash$ | +        | ╁            | ╁                                   | +-       | $\vdash$   | $\vdash$      |          |
|             | 19       |          |            | 7        |           | _         | 7         | $\top$   | $\dashv$ | 7         | 1             |             | 69       | -        | +            | 1  | $\dashv$ | +        |   | 1        |           | 119        |          |          | ╁            | ╆-                                  | ┼        | ₩  | H             |          |
|             | 20       | 7        | $\forall$  | +        | _         | 十         | $\dashv$  | $\dashv$ | +        | 1         | -             |             | 70       |          | +-           | ╁┈┤  | -        | +        |   | 1        |           | 120        | -        |          | +-           | +                                   | ├        | $\vdash \vdash$                                  | -             | $\dashv$ |
|             | 21       |          | 十          | +        | +         | +         | +         | +        | +        | $\dashv$  | ŀ             | -+          | 71       | +        | +            | $\vdash$   |          |          |   | -        |           | 121        | +        | -        | +            | +-                                  | -        | $\vdash$   | $\dashv$      |          |
|             | 22       | $\dashv$ | $\neg$     | $\dashv$ | +         | +         | 十         | $\dashv$ | +        | $\dashv$  | -             |             | 72       |          | ╁            | +  |          | -        |   | 1:::::1  |           | 122        | -        |          | +            | ╁                                   | ╄        | $\vdash$   | $\dashv$      |          |
|             | 23       | $\dashv$ | 十          | $^{+}$   | _         | $\pm$     | $\dashv$  | +        | +        | $\dashv$  | ŀ             |             | 73       | +-       | +            | $\vdash$   |          | +        |   | 1        |           | 123        | +        |          | +-           | ╁╾                                  | $\vdash$ | ├  | $\dashv$      |          |
|             | 24       | -        | -          | +        | +         | +         | -         | $\dashv$ |          | -1        | -             |             | 74       | +        | +            | <del>                                     </del> | $\dashv$ | +        |   | -        |           |            |          | -        | ╄            |                                     | <b>├</b> | $\vdash$   | -             |          |
|             | 25       | _        | $\top$     | +        | +         | +         | +         | $\dashv$ | +        | 1         | -             |             | 75       |          | ╁╌           | 1  | -+       | +        | _   | 1        | -         | 124<br>125 |          | +        | ╁            | ┿                                   | -        | Н  | $\dashv$      |          |
|             | 26       |          | $\top$     | _        | +         | ╅         | +         | 十        | +-       | -         | H             |             | 76       | _        | +-           | ╁  | $\dashv$ | +        | -   | 1        |           |            | -        | +        | ╀            | ╄                                   | ļ.,      | $\vdash$   | -             |          |
|             | 27       | $\dashv$ | +          | +        | ╁         | +         | +         | $\dashv$ | +        | $\dashv$  | -             |             | 77       | -        | +            | ┨  |          | +        |   | 1        |           | 126<br>127 | +        | +        | -            | ┾                                   | -        |  | $\dashv$      | -        |
|             | 28       | _        | +          | +        | ╁         | +         | +         | +        |          | 1         | ŀ             |             | 78       | +        | ╁            | $\vdash$   |          |          | -   |          | -         |            |          | +        | -            | ╀-                                  | L        | $\vdash$   | $\dashv$      | _        |
|             | 29       | $\dashv$ | ╅          | -+       | +         | +         | +         | -        | +        | ┨         | ŀ             |             | 79       |          | +            | ╀╌╢  | +        |          |   | ł        |           | 128        |          | -        | -            | ╄                                   | <u> </u> |  | $\dashv$      |          |
| $\neg$      | 30       | -        | +          | +        | ╁         | +         | +         | +        | +        | $\dashv$  | ŀ             | <del></del> | 80       |          |              | $\vdash$   | -        |          |   | 1        |           | 129        | -        |          | ╁—           | ₩                                   | <u> </u> | $\vdash \vdash$                                  | -             |          |
| - +         | 31       | $\dashv$ |            | +        | +         | +         | +         | +        | +-       | -         | ∷⊦            |             | 81       | +        | ╀            | $\vdash$   | -+       |          |   | <b> </b> |           | 130        | -        |          | ╀            |                                     | H        | $\vdash$   | $\dashv$      | _        |
|             | 32       | $\dashv$ | +          | ╁        | +         | ┿         | -+        | +        | +        | -         | ii-           |             | 82       | -        | ╁            | ╁  | $\dashv$ | +        |   | ł I      |           | 131        | $\dashv$ | -        | 4            |                                     | <u> </u> | <del>                                     </del> | $\rightarrow$ | _        |
|             | 33       | $\dashv$ | +          | +        | +         | +         | -         | +        | -        | -         | -             |             | 83       | +        | ╁            |  | +        |          | _   | ł ļ      |           | 132        | _        |          | ╄┈           | ļ                                   | _        | $\vdash$   | _             | _        |
|             | 34       | -        | +          | _        | +         | +         | +-        | +        | +        | -         | ::: -         |             | 84       | -        | +            | Н  |          |          | $\dashv$  |          |           | 133        |          | +        | ↓_           | ╙                                   |          | $\vdash$   | _             |          |
| $\neg +$    | 35       | $\dashv$ | +          | +        | ┰         | +         | +         | +        | +        | ╣         | ŀ             |             | 85       | -        | ╆            | $\vdash$   | -+       | -        |   | l        |           | 134        |          |          | ↓_           | <u> </u>                            | _        | $\vdash$   | $\dashv$      | -        |
|             | 36       | $\dashv$ | +          | +        | +         | +         | +         | +        | +        | $\dashv$  | ŀ             |             | 86       | +        | +            | $\vdash$   | +        | -        |   |          | -+        | 135        | +        | +        | +            | -                                   | $\vdash$ | $\dashv$   | -             | _        |
|             | 37       | +        | +          | +-       | +         | +         | +         | +        | +-       | $\dashv$  | ŀ             |             | 87       |          | +            | $\vdash$   | +        | +        |   |          |           | 136        | -        | +-       | ₩            |                                     | Щ        | 4  | 4             | _        |
|             | 38       | $\dashv$ | +          | +        | +         | +         | +         | -        | +        | -         | F             |             |          | +        | ┼            |  | +        | +-1      |   |          |           | 137        | +        | +        | 1            | <b>Ļ</b> _                          | Щ        | $\dashv$   | 4             | _        |
|             | 39       | $\dashv$ | +          | +        | +         | +         | +         | +        | +-       | 1         | -             |             | 88       | +        | +            | $\vdash \vdash$                                  | +        |          | $+\!\!\!\!-$                                      |          | <b></b> ∤ | 138        | +        | +-       |              | <u> </u>                            | $\sqcup$ |  | $\dashv$      | $\dashv$ |
| <del></del> | 40       | +        | +          | ╁        | +         | +         | +         | +        | +        | -         | -             |             | 89       | +        | $\vdash$     | ┝╼┼  | +        | +-1      |   |          |           | 139        | $\bot$   | +        |              | <u> </u>                            | Ш        | _  | $\dashv$      | _        |
|             | 41       | +        | +          | +        | +         | +-        | +         | +        | +        | -         | -             |             | 90       |          |              | $\vdash \vdash$                                  | +        | +        |   |          |           | 140        |          | +        | <b>!</b> _   | <u> </u>                            |          | $\dashv$   | $\dashv$      | _        |
|             | 42       | +        | +          | +        | ╅         | +         | +         |          | -        | -         | ŀ             |             | 91       |          | ┼—           | $\vdash \vdash$                                  | -        | +        | -   | <br>     |           | 141        | +        | 4        | <u> </u>     | <u> </u>                            | $\sqcup$ | $\dashv$   | $\dashv$      | $\dashv$ |
| -+          | 43       | +        | +          | +        | +         | +         | +         | +        | +        | 1         | ŀ             |             | 92       | +        | <del> </del> | $\vdash \vdash$                                  | +        | ++       |   |          |           | 142        |          | $\bot$   | <del> </del> | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ | Ш        | _  | 4             | _        |
|             | 44       | +        | +          | +        | ╁         | +-        | +         | +        | +        | -         | -             |             | 93       |          | $\vdash$     | $\vdash \vdash$                                  | +        | +-+      |   | -        |           | 143        | $\perp$  | 1_       | $\vdash$     | <u> </u>                            | <u> </u> | _  | $\downarrow$  | $\Box$   |
|             | 45       | -        | +          | +        | +         | +         | +         | +        | +        | -         | -             |             | 94       |          | -            | $\vdash \downarrow$                              |          | +        |   | -        |           | 144        | _        | $\perp$  | <u> </u>     | Щ                                   | Ш        | _  | $\dashv$      | $\Box$   |
| +           | 46       | +        | +          | -        | +-        | +         | +-        | +        | +        | -         | -             |             | 95       | +        | $\vdash$     | $\vdash \vdash$                                  |          | +        | -   | L        |           | 145        |          | _        | <u></u>      | Ш                                   | $\Box$   | $\perp$  | $\perp$       | $\Box$   |
|             | 47       | +        | +          | +        | ╁         | +         | +         | +-       | +        | -         | ŀ             |             | 96       | +        |              |  | $\perp$  | 11       | $\dashv$  | -        |           | 146        | $\perp$  | 1        | <u> </u>     | Ш                                   |          | $\perp$  | $\perp$       | $\Box$   |
|             | 47       | +        | -          | +        | +         | +         | +         | - -      | -        | 4         | ŀ             |             | 97       | +-       | $\vdash$     | $\sqcup$   | 4        | +        |   | L        |           | 147        | _        | ļ        | _            |                                     |          | $\bot$   | $\perp$       |          |
|             | 48<br>49 | - -      | +          | ╁        | +         | +         | +         | +        | +-       | -         | H             | - 13        | 98       | +-       | $\vdash$     | $\dashv$   | +        | ++       |   | L        |           | 148        |          | 1        | $oxed{oxed}$ |                                     |          | $\perp$  | $\perp$       |          |
|             | 50       | +        | +-         | +        | +         | +-        | +         | +        | +-       | -         | H             |             | 99       |          | Ш            | +  | +        | +        |   |          |           | 149        |          | _        |              |                                     |          | $\perp$  | $\bot$        | $\Box$   |
|             | JU       | _L       |            | Щ.       |           |           |           |          |          | ]:::      | ::L           |             | 00       |          | Ш            |  |          |          |   | L        | L         | 150        |          |          |              |                                     |          |  |               |          |